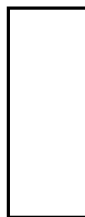A PLAN OF ACTION

TO IMPROVE THE INTERAGENCY

EXCHANGE OF DATA IN SUPPORT OF

THE PRODUCTION ANALYSTS

BY

INCORPORATED

BRIEFING TO THE FULL IHC

16 AUG 78

25X1A

PROBLEM: IDENTIFY THE NEEDS FOR INFORMATION WITHIN MULTIPLE AGENCIES OF THE
           INTELLIGENCE COMMUNITY SO THAT PROPOSED AUTOMATED DATA PROCESSING
           AND TELECOMMUNICATIONS SYSTEMS CAN BE DESIGNED TO SUPPORT THOSE NEEDS

OBJECTIVE: DEVELOP A PLAN TO IMPROVE THE INTERAGENCY EXCHANGE OF DATA WITHIN THE
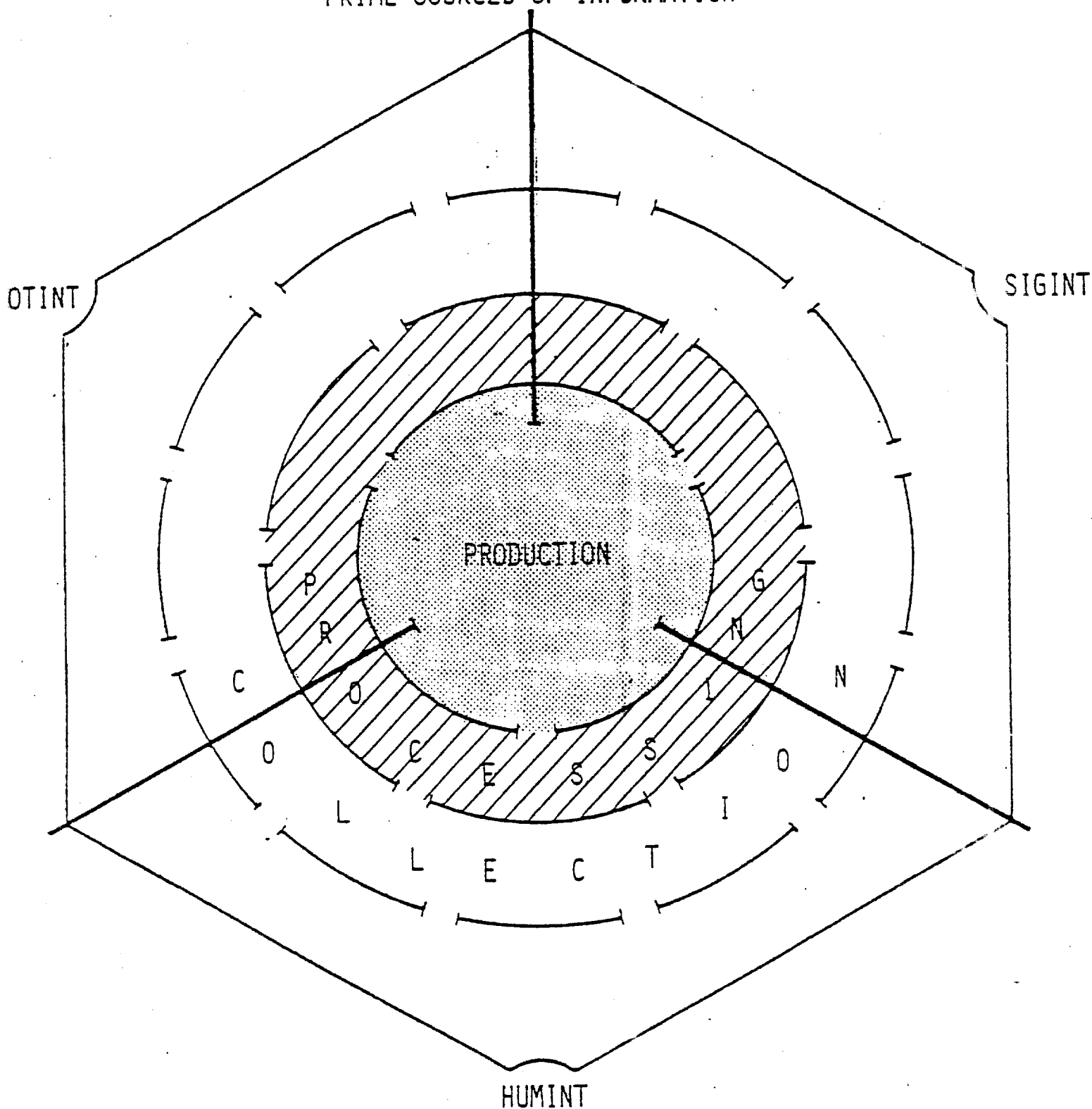   INTELLIGENCE COMMUNITY

SCOPE:

   - FOCUS ON THE ANALYSIS OF DATA REQUIREMENTS THAT MAY BE FULFILLED BY
     AUTOMATED DATA CURRENTLY AVAILABLE WITHIN THE COMMUNITY

   - LIMIT INITIAL STUDY TO 6 MONTH TIME FRAME AND TO AGENCIES WITHIN THE
     WASHINGTON, D.C. AREA

   - CONCENTRATE ON THE INFORMATION NEEDS OF THOSE PERSONNEL WHO PRODUCE
     THE FINAL PRODUCTS FOR EACH AGENCY

STUDY OVERVIEW

● SELECT AND INTERVIEW A GROUP OF ANALYSTS WITH KNOWLEDGE OF
DATA REQUIREMENTS THAT MAY BE POTENTIALLY FULFILLED BY OTHER
AGENCIES WITHIN THE COMMUNITY

● COMPARE THE IDENTIFIED DATA REQUIREMENTS WITH PRESENT OR PROPOSED
COMMUNITY-WIDE AUTOMATED DATA CAPABILITIES

● DEVELOP A LIST OF AUTOMATED DATA SYSTEMS THAT POTENTIALLY FULFILL
THE BROADER DATA REQUIREMENTS OF THE COMMUNITY. THIS LIST WILL BE
REFINED TO FOCUS ANALYSIS ON DATA SYSTEMS THAT ARE :

    -- USEFUL TO MULTIPLE AGENCIES ON A RECURRING BASIS

    -- RESULT IN INCREASED PRODUCTION CAPABILITIES OF AGENCIES
       THROUGH INCREASED SHARING OF DATA AMONG AGENCIES

    -- POTENTIALLY REDUCE OR ELIMINATE REDUNDANCIES IN THE LABOR
       INTENSIVE TASKS REQUIRED TO PRODUCE INTELLIGENCE

    -- CONTRIBUTE TO AN ALL-SOURCE METHOD OF PROBLEM ANALYSIS

● PERFORM ANALYSIS ON REFINED LIST OF AUTOMATED SYSTEMS TO IDENTIFY
PROBLEMS ASSOCIATED WITH THE INTERAGENCY EXCHANGE OF DATA INCLUDING :

   -- JUSTIFICATION OF ACCESS FOR DATA DESIRED

   -- IDENTIFICATION OF ALTERNATIVES TO SOLVE DATA REQUIREMENTS
   HIGHLIGHTING REDUNDANT CAPABILITIES

   -- EVALUATION OF ALTERNATIVES WITH RESPECT TO :

      - SECURITY

      - COST/BENEFIT

      - ACCESS & CONTROL

      - MANAGEMENT & BUDGETARY RESPONSIBILITIES

● PREPARE A PLAN OF ACTION TO INCLUDE RECOMMENDATIONS FOR FURTHER
ANALYSIS TO BE PERFORMED, MILESTONES, EVENTS AND ACTIVITIES

THE INTELLIGENCE PRODUCTION CYCLE WITH THREE
PRIME SOURCES OF INFORMATION

CATEGORIZATION of PRODUCTION ANALYSTS

TYPE OF INTELLIGENCE ANALYST	TIMELINESS OF PRODUCT	INFORMATION NEEDS		PRIMARY SOURCE OF INTELLIGENCE INFORMATION	SUB-CATEGORY OF INTELLIGENCE ANALYST/SOURCE	MAJOR PRODUCTS	METHODOLOGY
		1st Orientation	2nd Orientation				
Indications & Warning(I&W)	As of before an event occurs	Geographic/ Worldwide	Subject	SIGINT, PHOTINT, RADINT,ELINT, COMINT, FBIS, PRESS,OPS INTELL.	SIGINT/COMINT PHOTINT RADINT ELINT ALL-SOURCE	Early warning of hostile actions	Deviations from patterned behavior
Watch Center	Within minutes after an event occurs	Geographic/ Worldwide	Subject	SIGINT, PHOTINT, RADINT, ELINT, COMINT, FBIS, PRESS,OPS INTELL HUMINT, STATE CABLES, OPS CABLES	SIGINT/COMINT PHOTINT RADINT ELINT ALL-SOURCE	Alarm/alert of events that are a threat to national security	Communicated Observation
Current	Within hours after an event occurs	Geographic/ Area Special ization	Subject	SIGINT, PHOTINT, COMINT, FBIS, PRESS,OPS INTELL (INSUMS), HUMINT OPS CABLES,STATE CABLES	ALL-SOURCE SIGINT PHOTINT RADINT ELINT	Decision-making inputs and crisis mgt (current status reports)	Synthesis of observations made to current time
Research	Within weeks/ months after an event occurs (Near-term forecasts)	Subject	Geographic/ Area Special zation	SIGINT, PHOTINT, COMINT, FBIS, PRESS,OPS INTELL HUMINT, STATE CABLES, LITINT	ALL-SOURCE SIGINT PHOTINT LITINT HUMINT	Present state of conditions. Estimate of alternatives.	Analysis and synthesis of the process (crisis, con- flict, etc.)
Basic (Estimative)	Annual requirements, special studies (Long-term forecasts)	Subject	Geographic/ Worldwide	SIGINT, PHOTINT, COMINT, FBIS, PRESS,OPS INTELL HUMINT, STATE CABLES, LITINT, OPS CABLES, SUMMARY ELINT & RADINT	ALL SOURCES	National Estimates, Issue analysis, Issue definition S & T Estimates	Historical trend analysis and long-term estimates based on all sources of intelligence

3 August 1978 |

FINAL PRODUCT

A REPORT JOINTLY PREPARED BY THE GOVERNMENT TASK GROUP
AND THE CONTRACTOR THAT :

- IDENTIFIES INTERAGENCY DATA REQUIREMENTS

- PROPOSES METHODS AND EVALUATES ALTERNATIVES FOR SATISFYING
  THESE REQUIREMENTS

- OUTLINES A PLAN OF ACTION TO SATISFY VALIDATED REQUIREMENTS

METHODOLOGY:

- MACRO ANALYSIS

- USE A COMBINED GOVERNMENT/CONTRACTOR TASK GROUP FOR THE STUDY

- STUDY ORGANIZATIONAL STRUCTURE OF PRODUCTION ELEMENTS AT THE DIFFERENT AGENCIES

- IDENTIFY THE NUMBER OF PRODUCTION PERSONNEL IN THE LOWEST ORGANIZATIONAL ELEMENT THAT PERFORMS A UNIQUE FUNCTION

- INTERVIEW ONE INDIVIDUAL FROM EACH UNIQUE PRODUCTION ELEMENT

- USE A TWO LEVEL STRUCTURED INTERVIEW TECHNIQUE

  -- SENIOR PRODUCTION MANAGERS (BACKGROUND)
  -- OPERATIONAL LEVEL ANALYSTS (IN-DEPTH STUDY)

- CATEGORIZE THE SUBJECT CONTENTS OF AUTOMATED FILES WITHIN THE COMMUNITY USING THE INVENTORY OF FILES IN VOLUMNE II OF THE SSCI REPORT

- INDEX THESE FILES BY SUBJECT CONTENT

- IDENTIFY THOSE PRODUCTION ELEMENTS THAT REQUIRE THESE SUBJECTS

- IDENTIFY AUTOMATED FILES AT OTHER AGENCIES WHICH COULD HELP FULFILL THE INFORMATION REQUIREMENTS FOR EACH AGENCY

- DEVELOP ADDITIONAL BACKGROUND MATERIAL WHICH MIGHT GIVE AN INCREASED INDICATION OF NEED

ASSESSING THE NEED TO IMPROVE SHARING OF AUTOMATED DATA FILES

- IDENTIFY PRODUCTION ELEMENTS IN WHICH A SUBJECT CATEGORY OF INFORMATION HAS BEEN RATED ESSENTIAL OR IMPORTANT TO THE DEVELOPMENT OF PRODUCTS

- DETERMINE WHICH SUBJECT AREAS ARE NEEDED BY MULTIPLE AGENCIES

- MAP THIS NEED AGAINST THE EXISTING AUTOMATED FILES AVAILABLE WITHIN THE COMMUNITY

- USE THOSE FILES SPECIFICALLY REQUESTED BY PRODUCTION PERSONNEL AS AN ADDITIONAL INDICATOR

- PRIORITIZE THE NEED FOR INFORMATION BASED ON THE NUMBER OF AGENCIES AND OFFICES REQUESTING THE SUBJECT CONTENTS OF A LIMITED NUMBER OF EXISTING FILES

- DETERMINE THE IMPACT ON COMPUTER HARDWARE AND TELECOMMUNICATIONS BY MAKING THESE FILES AVAILABLE TO THE COMMUNITY

SUBSTANTIVE SUBJECTS RECOMMENDED FOR SHARING

Subject	Number of Existing IC Files	No. of Interested	
		Agencies	Offices
Scientific & Technical	xx	xx	xx
Energy	xx	xx	xx
Defense Expenditures	xx	xx	xx
Telecommunications -- Lines of Communication	xx	xx	xx
Agriculture	xx	xx	xx
Intern'l Organizations	xx	xx	xx
Terrorism	xx	xx	xx
Chemical/Biological Order of Battle	xx	xx	xx

NUMBER OF ANALYSTS EXPRESSING AN INTEREST IN FILE X

Office / High Interest Subject Areas & Indications of Need for Related Files [No. of Analysts Interviewed]	AGENCY A									AGENCY B				AGENCY C		AGENCY D				E	Totals
	Off [3]	Off [5]	Off [2]	Off [2]	Off [1]	Off [5]	Off [5]	Off [7]	Off [10]	Off [19]	Off [2]	Off [6]	Off [6]	Off [4]	Off [10]	Off [11]	Off [7]	Off [8]	Off [5]	Off [4]	Totals
Ocean Movements																					
Essential				1	1		2	1	5	1		1	2	2	1	1	1		3		22
Important						1		1	1	2	1	1	1		2	4			1	1	16
																					38
Alt Movements																					
Essential					1			3	7	2	1		1	2	1	3	3	2	3	1	29
Important		1		1		2		1		5		2	2	1	1	5	1	1	1		24
																					53
Expressed Interest in File X							X		X	X						X	X				5
Currently Using File X						2				1		1		3	3	1		2			13

RESULTS

● IDENTIFICATION OF PRODUCTION ANALYSTS' INFORMATION REQUIREMENTS

● IDENTIFICATION OF CURRENT AUTOMATED INFORMATION CAPABILITIES

● DESCRIPTION OF INFORMATION GAPS AND REDUNDANCIES

● PRIORITIZATION OF INTERAGENCY INFORMATION REQUIREMENTS

TYPES OF QUESTIONS

- PRODUCT CHARACTERISTICS
  - -- NAME (1)
  - -- DEADLINES (1)
  - -- FORNAT (1)
  - -- USER (1)
  - -- AGE OF DATA USED TO DEVELOP PRODUCTS (2)
  - -- RELATED PRODUCTION ACTIVITIES AT OTHER AGENCIES (2)

- ENVIRONMENTAL CHARACTERISTICS
  - -- ANALYST TYPE (1)
  - -- AREA(S) OF INTEREST (1)
  - -- DIRECT USE OF COMPUTERS VERSUS AN INTERMEDIARY (9)
  - -- QUANTITATIVE VERSUS SUBJECTIVE ANALYSIS (9)
  - -- STRUCTURE FOR FILING DATA (9)
  - -- SUBSTANTIVE SUBJECTS OF INTEREST (3)

- SOURCES OF DATA
  -- UNSTRUCTURED RAW OR PROCESSED DOCUMENTS AND REPORTS (4)
  -- ORGANIZED OR STRUCTURED FILES
    - PERSONAL FILES (5)
    - OFFICE FILES (5)
    - AUTOMATED INTELLIGENCE FILES (6)
    - OTHER US GOVERNMENT FILES (6)
    - USE OF LIBRARIES (7)
    - COMMERCIAL AND OTHER FILES (7)
  -- FINISHED INTELLIGENCE PRODUCTS (8)
  -- UNEXPLOITED SOURCES (FILES CURRENTLY NOT ACCESSABLE) (8)